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Approved For Release 2001/08/09 : CIA-RDP86-00244R000300380017-5  
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7 MAY 1970

MEMORANDUM FOR: Deputy Director for Support

SUBJECT : Proposal to Extend the Headquarters Powerplant Structure  
and Install the New 1500-Ton Chillers in the Extension

1. This memorandum contains a recommendation for your approval; such recommendation is contained in paragraph 7.
2. The General Services Administration has awarded a contract to install two 1500-ton chillers in the Headquarters powerplant. However, the York Corporation, manufacturer of the chillers, cannot make delivery in time to install the first chiller until mid-August, which means that we would be without a standby chiller during the coming summer. Thus, if one of the three presently operable chillers should become disabled during the summer, the temperatures in the Headquarters Building and in the Printing Services Building would become uncomfortably high for personnel. Critical areas which have their own independent air-conditioning systems would not be affected.
3. To avoid the above risk, a temporary standby 1000-ton chiller has been leased, with an option to purchase, for a six-months' period and will be operable on or before 15 May. The cost for installation and lease is \$49,000. An additional \$15,000 will be required for the chiller's removal.
4. Historically the cooling load in the Headquarters complex, particularly in the last three years, has been increasing because of new installations such as the Printing Services Building and the computer centers. At the same time our aging chillers have been slowly getting less efficient (which is to be expected). We were, until June 1969, occasionally using our standby chiller to meet load requirements. Unfortunately this reserve was lost at that time when the standby chiller became irreparably disabled. In the face of our current problem and looking to the future, we believe that within the next three years it can be expected that the use of the fourth chiller will be more than occasional and that indeed the requirement for a fifth chiller will become increasingly evident. Fortunately provision for extending the powerplant to accommodate such an expansion was incorporated in the original structural design.

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5. In view of the high cost of leasing the 1000-ton chiller compared to the cost of purchasing it, and in view of the predicted requirement for a fifth chiller within the next three years, it is proposed that:

a. The 1000-ton chiller which is being leased be purchased outright and left in place. The additional cost of retaining this extra capacity on a permanent basis is only \$20,000 (three-quarters of which is, in a sense, paid for in the money set aside for its removal upon termination of the lease). Also, the smaller chiller is much more efficient in carrying our relatively small winter load.

b. The powerplant structure be extended and the two new 1500-ton York chillers be installed in the extension.

c. The existing Worthington chiller which was to be dismantled and stored in [REDACTED] (and which was to be replaced by one of the two new York chillers) be left in place. It will be used in regular rotation with the other chillers. This is better for the machine and better distributes the wear on all the chillers. Additionally if one of the Worthington chillers breaks down beyond repair it could be cannibalized in place to prolong the life of the two remaining Worthingtons.

6. The estimated cost of this proposal as shown in Attachment 1 is [REDACTED] Attachment 2 encompasses two sketches which show, first in Sketch I, the number, size, and arrangement of the chillers which will result from the existing contract; and in Sketch II, the number, size, and arrangement which would result from the implementation of this proposal.

7. It is recommended that you approve the proposal set forth in paragraph 5 above, and that the required [REDACTED] be provided from Support Directorate or other Agency funds.

Signed: John F. Blake

John F. Blake  
Director of Logistics

2 Atts

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The recommendation contained in paragraph 7  
is APPROVED:

see 75 70-2009 dtd 15 May attached  
R. L. Bannerman Date  
Deputy Director  
for Support

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